Welcome to

Adimec

Jochem Herrmann – Chief Scientist

Adimec creates industrial cameras

Semiconductor & Electronics

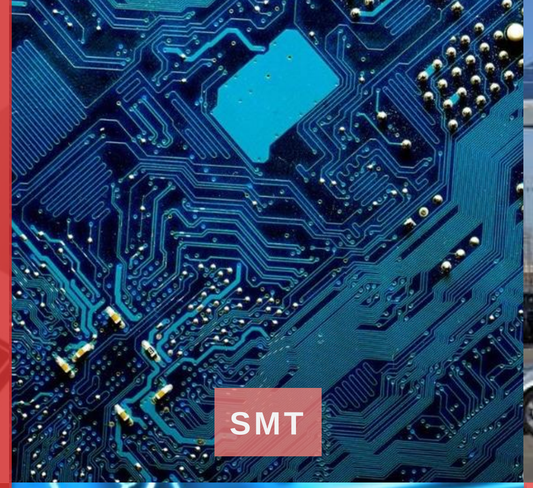
Global Security

X-Ray & Life Sciences

Adimec

SEMICONDUCTORS
Wafer & Chip production, Advanced Packaging and Component Inspection

DISPLAY

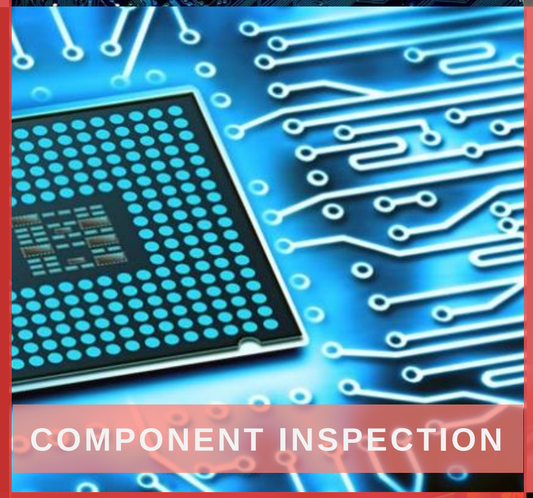


SECURITY
Airborne Jets, Helicopter, Drone

DRONES

ELECTRONICS
PCB Electronics Manufacturing & Displays

ADV. PACKAGING



X-Ray
Mobile C-Arms

DIGITAL PATHOLOGY

SURVEILLANCE
Border Surveillance & Mobile Platforms

BORDER SECURITY

LIFE SCIENCES
Next Generation Sequencing, Digital Pathology and Operating Room Imaging

DNA SEQUENCING

Adimec at a glance

A dedicated team of >150 people

At 7 locations world-wide, 50% have an engineering degree.

Perfect fit into our customers' applications

Leading experts in camera design for metrology,
in-depth sensor knowledge.

We design and manufacture cameras in small batches

Typical batches are between 50 and 1000 cameras/year.

We are a medium sized company that make image-sensors suitable for demanding applications at multi-nationals

Innovation at Adimec

Innovation in the value chain

One big innovation requires several smaller ones, not only in our own product.

Collaborative R&D with partners

Projects bringing together leading experts in their fields.

International R&D funding instruments

Provide a perfect ecosystem for our type of innovations.

Overview collaborative R&D projects

Starting 2006 - 2022

Adimec

What we look for in a funding instrument

As seen through the eyes of SME Adimec

- Funding possibilities for all partners involved
  - When we need it
- Reasonable effort to write proposal
  - Two stage process is preferred
  - Support during process
- Fair/predictable chance of success
- Low overhead during project execution
  - Don’t make more documents than we normally would do

Why Eureka Clusters are a good fit

e.g. PENTA, Xecs

- Industry driven (Strategic Research and Innovation Agenda)
- Good fit with our “short” time to market
- No need for large consortia
- Two stage application process
- Project can be adapted in case new insights develop
- Low overhead (proposal, reporting) – also an SME can be project coordinator!

But ... partners are funded by participating countries, and not all countries support EUREKA Clusters. On top of that, every country has different funding criteria. Building a consortium therefore can be difficult, and we sometimes lose partners at a late stage...

Increasing your chance of success

for Xecs call 2

- Build a strong consortium
  - It should be clear what the contribution of each partner is
- Check funding possibilities for all potential partners (contact PA)
  - Each country has different eligibility criteria and budgets!
- Think about a “plan B” – what if a partner/country will not be funded?
- Carefully study “Documents & templates” section on website
- Take the Project Outline seriously - follow the PO template, refer to SRIA
- Use the feedback from the reviewers of the Project Outline to improve the Project Full Proposal
- In case of any questions, contact Xecs office!

Example of a success story

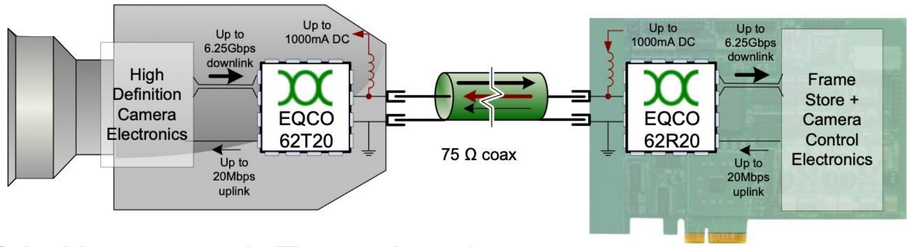
Innovation in the value chain...

Market challenges

- Adimec Machine Vision customers needed cameras with higher resolutions, frame speed, while keeping camera size and power the same or smaller
  - Need for new high resolution, high speed CMOS image sensors
  - Need for high speed, low power image processing – correction image sensor artifacts
  - Need for faster digital interface, because existing digital interfaces were limited in speed, cable length and were using complex cables and connectors
    Adimec started already working on this subject in project ASIC-CCD...
- Roadmaps of image sensor manufacturers, and roadmaps of existing digital interfaces were not innovative enough to provide the required technologies on time

Project with a team of experts

Every partner contributes at his own costs and risks



Bringing solutions to the market

- In MEDEA+ project ASIC-CCD, Adimec worked with Grass Valley and Eqcologic on a technology demonstrator for a new high speed digital interface using coax cable
- CATRENE project TritonZ brought experts together that were needed for the required innovations: CMOSIS for Image Sensor design, EqcoLogic for the development of high speed drivers and equalizers, and Adimec for Machine Vision camera design
- In parallel, a consortium of 6 companies was formed that developed a first draft specification of the new interface standard that was demonstrated at the 2009 Vision Show in Stuttgart
- Winning of the Vision award in 2009 helped to generate interest from the industry – JIIA (Japan Industrial Imaging Association) was selected to host the new world standard and develop it further

Benefits of collaborative R&D

Together we achieve more...

Outcome TritonZ project

- New CMOSIS image sensor platform plus the first sensor product (CMOSIS)
- High speed drivers and equalizers for high speed interface via Coax(Eqcologic)
- New digital interface standard: CoaXPress – still the most reliable high speed camera interface for Machine Vision today (and other markets...)
- Camera platform using new CMOSIS sensors and CoaXPress interface (Adimec)
- Winner of Vision Award 2009 and CATRENE Innovation Award 2011
- Recognition as innovation/market leaders
- 20-30 % YoY revenue growth in Machine Vision market (Adimec)
- Acquisition of startup Eqcologic by Microchip

Adimec

Excellence in Imaging